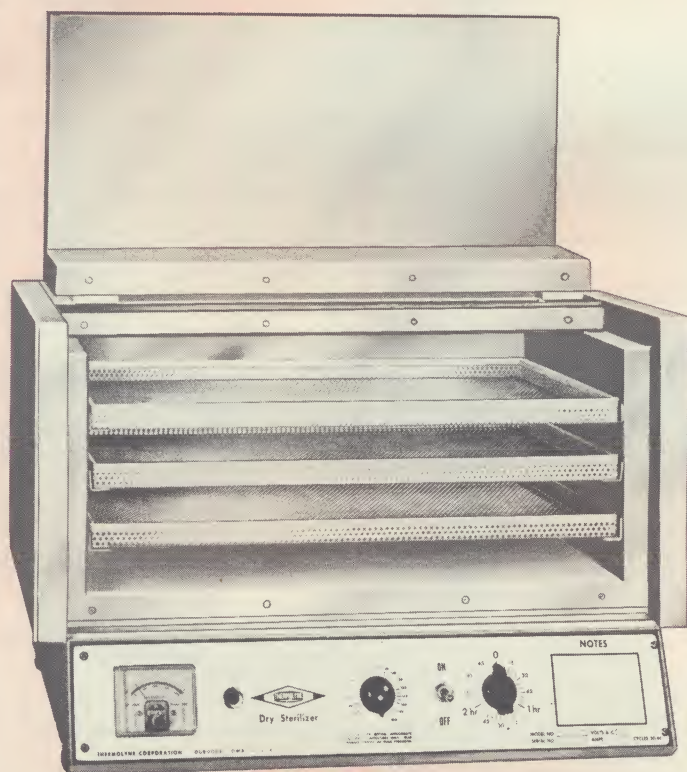


NEW, a DRY STERILIZER from THERMOLYNE

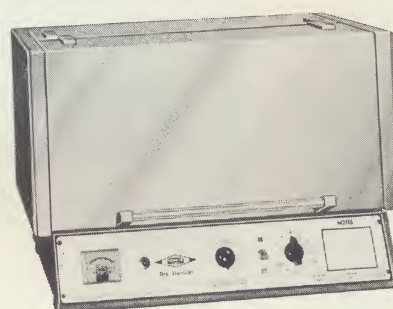
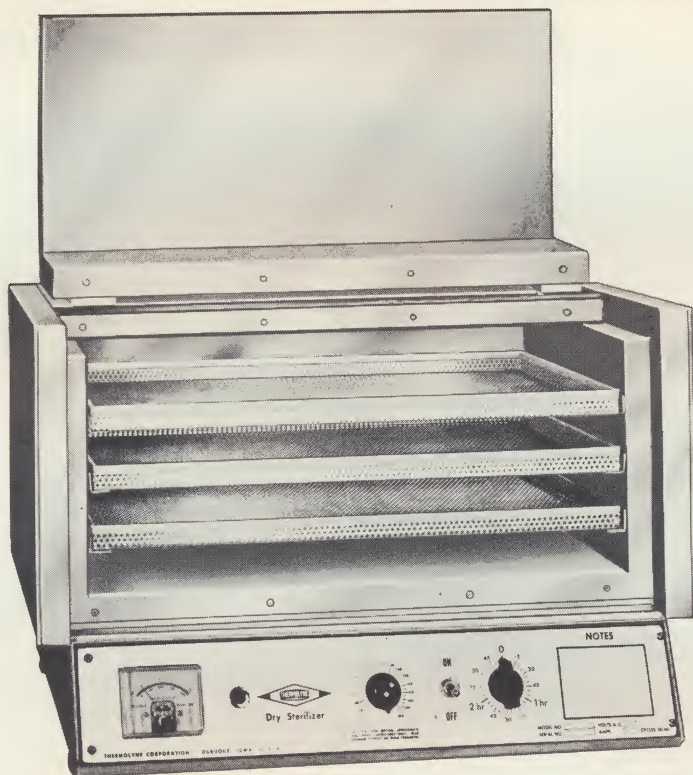


FOR OFFICE, HOSPITAL, LABORATORY, OR SCHOOL

Convenient, efficient, safe, economical

THERMOLYNE CORPORATION

2555 Kerper Blvd.
Dubuque, Iowa, U.S.A. 52003



FEATURES:

Large chamber — Will handle pipette boxes, long instruments, substantial volume of smaller items—3 adjustable height shelves accommodate various size articles easily—Capacity to serve busy office or lab.

Dry, clean — Smooth interior walls easily cleaned, simple to keep spotless—Permanently sealed corners and seams prevent accumulation of moisture, dirt, corrosion.

Close temperature control — Sensitive thermostatic control system maintains sterilizing temperature within close limits.

Infinitely variable selection of sterilizing temperature—Operator may freely choose and accurately set best temperature for specific materials and procedures.

Accurate pyrometer — Constantly monitors chamber temperature—High visibility dial easily read from standing position—Large graduations

for accurate readings, operator **KNOWS** the temperature at a glance.

Easy access door — One hand operation, door stays open or closed without holding—Easy and quick to load either trays or individual items—Seals close for heat economy.

Designed for usability — Close attention to small but important details like these: Simple controls, easy to set, grouped on front of panel—Everlasting note pad on dial plate — Thermometer port for those who want it (Also acts as vent) — Integral timer, buzzes when set time is up — Pilot light — Line switch turns unit on or off without disturbing setting — Sloping panel for easy reading — High temperature paint protects back and lower case.

Good looks — Styled to harmonize with high grade laboratory and office equipment — Gleaming stainless steel cabinet, aluminum lining stay neat — Low silhouette fits anywhere.

FAST — Unloaded sterilizer heats to maximum (200°C) in 20 MINUTES!

YOU CAN USE a THERMOLYNE DRY STERILIZER in your:

SURGICAL SUITE for sterilizing delicate cutting instruments, sutures, etc.

LABORATORY Destruction of pathogenic organisms produced by test incubations, sterilizing specimen collection apparatus, etc.

DOCTOR'S, DENTIST'S OFFICE OR CLINIC for sterilization of instruments, media, or apparatus; destruction of toxic culture plates, etc.

EMERGENCY TREATMENT CLINIC — Keep instruments, supplies, etc. instantly ready.

ISOLATION AREAS — To prevent spread of known contagious disease, keep organisms confined to isolated area; prevent re-infection of patient.

BIOLOGICAL OR BACTERIOLOGICAL CLASSROOMS to decontaminate apparatus used with pathogenic organisms, to teach sterile procedure, to prepare sterile apparatus and media for class use.

ADVANTAGES:

Safe — Dry heat temperatures will themselves completely destroy virus and spore bearing bacilli — Prevents cross infection by eliminating all disease causing organisms.

No pressure problems — No delays, calculations, live steam, or hot water—Door opens instantly, contents immediately visible — No interlocks or other special devices needed.

Prevents corrosion of sharp eye and ear surgical instruments — Expensive delicate instruments perform better, last longer.

Ground surface glassware stays clear — No leaching of silicon from closely fitted surfaces causing sticking or leaking — Fine graduation marks remain easily readable.

Positive sterilization of bore and lumen of needles, syringes — Reaches interior of hollow diagnostic instruments, speculae.

Dependable sterilization of powders, lubricants, etc. which may be soluble in water — Ideal for items sensitive to water or chemical sterilization.

Simple to operate — Procedures easily learned.

TYPICAL USES:

Sterilizing: Delicate cutting edges of eye and ear surgical instruments.

Special culture media

Water soluble powders, etc.

Dental burrs and instruments

Laboratory glassware

Fine sutures, needles

Preparing: Oxalate tubes

Petroleum jelly bandages

Shaping plastics for special guards, orthopedic supports, etc.

Drying chromatography paper

Baking out dessicators

Sterile drying

MODEL NO.	ELECTRICAL DATA			CHAMBER SIZE			OVERALL SIZE			MAX OPERATING TEMPERATURE	WEIGHT		PRICE†
	Volts*	Amps	Watts	W	H	D	W	H	D		Net	Ship	
DS-9525M	120	7.5	900	18	8	10	21½	15	14½	392°F 200°C	32 Lbs.	45 Lbs.	\$255.00
DS-9520M	240	3.75	900	18	8	10	21½	15	14½	392°F 200°C	32 Lbs.	45 Lbs.	270.00

*50/60 Cycles AC.

†Price includes 3 perforated aluminum trays 18" long, 10" wide, ½" deep.
Extra perforated aluminum tray Part No. AY95X1 \$7.50.



LABORATORY APPARATUS

SCIENTIFICALLY ENGINEERED
CAREFULLY MANUFACTURED
PROPERLY PRICED

THERMOLYNE CORPORATION

DUBUQUE, IOWA, U. S. A.

Printed in U.S.A.

EXPERTS RECOMMEND DRY HEAT

"We have two forms of heat to consider in sterilization. One is dry heat, and the other is moist heat. Dry heat is advantageous for many reasons, one being that it does not destroy finely polished edges, so that cutting instruments, such as scissors, osteotomes, etc., are best sterilized in dry heat; and it does not attack glass." . . . "The other reason dry heat is good stems from the fact that the temperature developed is hot enough to destroy bacterial life of itself, so that you don't have to worry about grease, protein, etc., interfering with sterilization."

"As for syringes, grinding removes the annealed protective film, and makes the surface subject to attack by moisture, whereas you can sterilize them repeatedly in dry heat, without wear and tear. If you use moist heat, the silica is leached out, and the syringe leaks."

"METHODS OF STERILIZATION"

Carl W. Walter, A. B., M. D. —
Hospital Topics, Feb. 1953

"Dry heat (150° C for ½ hour or slowly to 180° C and then slowly back to room temperature) is effective. The temper and edge of delicate metal instruments are not affected."

"BACTERIAL INFECTION"

J.L.T. Appleton, B.S., D.D.S., Sc. D.
Lea & Febiger, Philadelphia, 1950.

"Dry heat is the method of choice for the sterilization of syringes, principally because all moisture is eliminated, thereby minimizing erosion of the

ground glass surfaces." . . . "Needles (Hollow).—Although hypodermic needles can be sterilized satisfactorily in the autoclave, it is much better practice to sterilize them in the hot air oven because it leaves the needles absolutely dry and assures sterility of the bore of the needle, even when the stylet is left in place" . . .

"Needles (Suture).—When surgeons' needles are sterilized in pressure steam there is no question about sterility, but frequently serious rusting occurs which is difficult to explain. To avoid all rusting of needles, the hot air method of sterilization is recommended."

"ANTISEPTICS, DISINFECTANTS, FUNGICIDES, AND CHEMICAL AND PHYSICAL STERILIZATION"

Edited by G. F. Reddish, Ph. D., Sc. D.
Lea & Febiger, Philadelphia 1964

"Regardless of whether an injection is given in a physician's office or at mass immunization clinics, sterilization of syringes and needles in the hot oven should be the method of choice. It has been used exclusively at the Whooping Cough Research Laboratory for more than 25 years, during which time over 15,000 infants and children have been inoculated, with no instance of convulsion, post inoculation encephalopathy, or needle poliomyelitis reported."

"PRECAUTIONS IN PEDIATRIC IMMUNIZATION PROCEDURES"

Louis W. Sauer, M.D., Ph. D.
Journal American Medical Association
Vol. 152, pp. 1314 - 1317

ANOTHER NEW PORCELAIN TOP HOT PLATE FROM THERMOLYNE

FEATURES:

Glass hard, steel backed porcelain enamel top
Large reserve power for working heat
Even heat distribution
Precise temperature control
Rugged construction
Temperatures to 1000°F (538°C)
Good looks, easy cleaning

TYPICAL USES:

Drying slides	Heat experiments	Boiling
Drying tissue	Heating adhesives	Distillations
Warming solutions	Infra red source	Extractions
Making solutions	Annealing glass, metals	Digestions
Fractionations	Sealing wrappers	Sterilizing
Viscosity tests	Preheating parts for shrink fit	Tempering
Moisture tests	Making coffee	Melting wax
Making agar	Heating soup	Soldering



BIG 8½" DIAMETER

IDEAL FOR LABORATORY, OFFICE,
CLINIC, CLASSROOM, OR SHOP

PORCELAIN ENAMEL TOP — Glass hard ceramic coating fused to heavy gauge steel—Resists chemicals, stains, corrosion—No crazing or spalling—Cleans easily, spills stay out of the works—Won't break.

FAST HEAT-UP, LARGE RESERVE—Reaches 500°F in approximately 5 minutes—1685 watts ready to go to work—Heats large loads or reaches high temperatures fast.

INFINITE CHOICE OF WORKING TEMPERATURES — The specially designed thermostatic control easily set for any temperature wanted—Control holds set temperature within close limits — Anticipatory feature limits overshoot—Automatically compensates for line voltage variations — Mechanically simple, rugged, dependable.

EVEN HEAT DISTRIBUTION — Element embedded in special refractory plate — Covers whole top for uniform

heat distribution — Intimate contact for fast heat transfer — Large mass acts as "surge dampener", keeps temperature even — Refractory protects coil, preserves placement — No sag or creep.

EFFICIENT, LOW COST OPERATION

Full power supplied until set temperature is reached, then cycled as needed to maintain temperature level — load determines power flow — No waste keeps operating costs low

GOOD DESIGN, RUGGED CONSTRUCTION

— Best materials, thorough engineering, careful manufacturing for dependable service — Perforated case keeps base section cool—Aluminum end caps—Operates safely on table top, no scorching — Pilot light indicates heat is on — 3 wire grounded cord and plug — Stamina for excellent performance in day after day use without trouble.

MODEL NUMBER	ELECTRICAL RATINGS			TOP PLATE DIAMETER (Inches)	OVERALL SIZE (Inches)		WEIGHT (Pounds)		MAXIMUM OPERATING TEMPERATURE	PRICE
	VOLTS 50/60 CYCLES	AMPS	WATTS		DIAMETER	H	NET	Ship		
HP-9420M	240	7	1685	8½	8½	4¾	6½	9	1000°F (538°C)	\$67.50
HP-9425M	120	14	1685	8½	8½	4¾	6½	9	1000°F (538°C)	67.50

FAIR TRADE MINIMUM Prices, F.O.B. Shipping Point; Subject to Change Without Notice.



LABORATORY APPARATUS

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